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UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF PUBLIC ROADS  
DIVISION OF AGRICULTURAL ENGINEERING

S. H. McCrory, Chief

M O N T H L Y   N E W S   L E T T E R

Washington, D.C., August 20, 1925.

DRAINAGE

Mr. McCrory visited Raleigh, N. C., recently to confer with F. O. Bartel and also arrange for cooperative relations in drainage work in that State. This was made necessary by certain reorganization that has taken place in the North Carolina College of Agriculture.

On August 17 Mr. McCrory left for New Orleans to consult with certain Bureau officials regarding a highway location; also to inspect the sugar cane irrigation investigations now going on at Franklin, La.

A. O. Kay completed his field surveys in connection with muck and peat subsidence in the Everglades territory and submitted reports thereon.

No high stages were recorded during the past month on the streams on which run-off data are being collected by Messrs. P. T. Simons, B. S. Clayton and R. A. Norton.

F. E. Staebner, who has supervision of the sugar cane irrigation investigation, left Washington August 19 for New Orleans where he will be joined by Mr. McCrory and together they will inspect the Franklin experiment and confer with sugar cane growers with regard to cane.

R. D. Marsden is still prosecuting his investigation of the economy of large tile in the middle West. His field trip will probably be completed early in September. He reports in general scarcity of reliable records of large tile installations.

D. G. Miller and Paul C. McGrew have spent the past month at the St. Paul laboratory carrying on the study of durability of concrete tile.

D.L. Yarnell reports the completion of the current meter study at Iowa City, Iowa. He is now engaged in the preparation of the report thereon. The final report on the culvert investigation is also in preparation.

F. E. Shafer is continuing his study of drainage pumping plants and is preparing a progress report.



UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF PUBLIC HOUSING  
DIVISION OF LAND ACQUISITION

S. H. McHenry, Chief

REPORT BY S. H. McHENRY

Washington, D. C. August 1, 1934

MEMORANDUM

The following report was prepared by S. H. McHenry, Chief, Division of Land Acquisition, Bureau of Public Housing, United States Department of Agriculture, in response to a request from the Bureau of Public Housing, United States Department of Commerce, dated July 1, 1934.

The report is based on a study of the various methods of land acquisition which have been used by the Federal Government in the past, and on a comparison of these methods with the methods which are now being used by the Federal Government in the acquisition of land for public housing.

The report is divided into two parts. The first part is a general statement of the methods of land acquisition which have been used by the Federal Government in the past. The second part is a comparison of these methods with the methods which are now being used by the Federal Government in the acquisition of land for public housing.

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## IRRIGATION

The summer meeting of the American Society of Civil Engineers was held at Salt Lake City, Utah, July 8-11. Irrigation was featured at this meeting. The sessions were attended by Messrs. McLaughlin, Hart, Parshall, Scooby and Winsor of this Division and by Mr. Frank Adams of the University of California. A paper prepared by Dr. Samuel Fortier, discussing Dr. Widtsoe's paper "History and Problems of Irrigation Development in the West", was read at the meeting, Dr. Fortier's discussion being mainly a plea for State aid in irrigation. At the meeting of the irrigation section Mr. Scooby presented a paper entitled "Cooperation of Federal and State agencies in Irrigation Investigations".

W. W. McLaughlin visited several points in the Northwest during the month. At Logan, Utah, he arranged further details of the cooperative work; he conferred with J. C. Marr at Boise, Idaho, and with Messrs. Lewis and Magnuson of the University of Idaho regarding cooperative work in alkali reclamation. He met L. T. Jessup at Pendleton, Oregon, visited Corvallis, Oregon in connection with cooperative work in that State and stopped at Grants Pass and Medford, Oregon, to confer with Charles D. Hartman, the cooperative agent.

H. E. Blaney visited San Diego County and San Fernando Valley in southern California relative to proposed duty of water investigations. He also conferred with engineers of the Southern California Edison Company regarding methods of measuring irrigation water from pumping plants.

F. C. Scooby completed tests on the 54-inch pipe line of the City of Denver, as a part of a cooperative agreement with that city. Owing to the shortage of water it was impossible to make all calibrations at the other points. Accordingly this work has been suspended until water conditions become favorable.

W. A. Hutchins visited points in Idaho and Oregon in connection with the mutual irrigation companies project, and stopped in Hood River Valley, Oregon, to make a brief reconnaissance of the irrigation of small fruits in that valley.

D. W. Bloodgood made a trip to Estancia, New Mexico, in order to make preliminary plans for a cooperative project on "Supplementing Rainfall with Underground water in the Production of Crops of Low Water Requirement". Mr. Bloodgood also conferred with the State Engineer at Santa Fe regarding cooperation with that office on the Estancia project.

R. A. Hart made a trip to Banida, Idaho, and Logan, Utah, regarding cooperative drainage investigations at Banida. Conferences were held at Logan with Professors Niedig and Magnuson of the University of Idaho and with Doctors Israelson and Jennings, of the Utah Agricultural College, on drainage and alkali soil reclamation problems.

R. L. Parshall improved the acre-foot integrating meter by adding mechanism necessary for recording the gage height in order that a permanent record might be kept.

F. L. Bixby, of the University of Nevada, was in the Berkeley office in connection with cooperative work in southern Nevada.







## RURAL ENGINEERING

A recent advertisement appearing in the Farm Journal, calling attention to the availability, in this office, of farm building plans, has all but swamped the office force and this work has occupied the whole month.

M. C. Betts, who has been planning a project on potato storage investigations, has gone to Maine with Mr. Hill of the Bureau of Plant Industry to initiate tests on existing structures. In the absence of Mr. Betts from the Washington office the correspondence is in charge of T. A. H. Miller.

G. M. Warrent has returned from his leave and is touring the nearby farms photographing scenes for a movie on farm plumbing.

C. D. Kinsman, Agricultural Engineer, left Washington August 14 to take up a cooperative study with the Bureau of Agricultural Economics of haying methods in the Great Plains States.

Drawings are being made of fox houses and pens for the Department's breeding grounds in Pennsylvania. These plans will be available for general distribution.

The following memoranda of the information series are available, these being supplementary to the list given in the June News Letter.

- No. 51 Stucco
- 52 Cultivators (History)
- 53 Grain Drills and Corn Planters (History)
- 54 Rubble Masonry
- 55 Painting

## DISTRIBUTION OF SURPLUS WAR EXPLOSIVES

Geo. R. Boyd, after completing a trip to Texas and intermediate points in connection with pyrotol distribution, began on August 11 a series of pyrotol demonstrations in Virginia, North Carolina and South Carolina. These demonstrations are proving very helpful in arousing interest in pyrotol for land clearing. All the plants from which pyrotol is shipped have stored pyrotol to their capacity in anticipation of the rush of orders which is expected to begin in September.

## PERSONAL

Announcements have been received of the marriage of C. E. Ramsor, Drainage Engineer, to Miss Ann Lillian Larkin at Waverly, Missouri on July 28. Mr. Ramsor's movements since that time are shrouded in mystery. We only know that he expects to return to duty at Cape Girardeau, Missouri, on August 20.



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## PUBLICATIONS AND REPORTS

A third revision of Farmers' Bulletin 865 on "Irrigation of Alfalfa" by Samuel Fortier, has been forwarded for publication.

A revised manuscript on "Drainage by Pumping from Wells in Salt River Valley, Arizona" by J. C. Marr has been received for publication.

A report on conditions found in re-running muck profiles at Fellsmore, Davie, and Okeelata, Fla. and another on subsidence of peat soils in Florida have been received from A. O. Kay.

Department Bulletin No. 1348 entitled "An Appraisal of the Power Used on Farms in the United States" by C. D. Kinsman, has been issued.

The first number of a new monthly periodical called "Modern Irrigation" has been received recently at the Public Roads library.

PUBLICATIONS AND LIBRARIES

A list of the publications of the National Bureau of Standards, including the "Handbook of Chemistry and Physics," is being prepared for the year 1954.

A revised manuscript on "The National Bureau of Standards" is being prepared for the year 1954. It will be published in the "Handbook of Chemistry and Physics."

A report on the results of the work done by the National Bureau of Standards in the field of the "Handbook of Chemistry and Physics" is being prepared for the year 1954. It will be published in the "Handbook of Chemistry and Physics."

The National Bureau of Standards is planning to publish a new edition of the "Handbook of Chemistry and Physics" in the year 1954. It will be published in the "Handbook of Chemistry and Physics."

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